HP Server Solutions

Cisco is introducing software applications from the Cisco® Unified Communications portfolio that install on specific configurations of customer-provided HP DL380-G5 and DL320-G5p servers. Available applications include: Cisco Unified Communications Manager, Cisco Emergency Responder, Cisco Unified Application Environment, Cisco Unity® conferencing, Cisco Unity Connection, Cisco Unified Presence, Cisco Unified Mobility Advantage, Cisco Unified MeetingPlace® conferencing, Cisco Unified MeetingPlace Express, Cisco Unified Contact Center Express, Cisco Unified Contact Center Enterprise, Cisco Unified Customer Voice Portal, Cisco Unified IP Interactive Voice Response (IP IVR), and Cisco Unified Expert Advisor.

Customer-provided servers must exactly match the vendor, make, model, specifications and parts lists in the configurations listed in the following sections to be supported. Deviations are not supported, and may result in an incomplete or failed install, or postinstallation problems. Customer-provided servers must also be on the certified hardware compatibility list for the intended software product and version.

Where equivalent Cisco MCS 7800 Media Convergence Server model numbers are given, they should be interpreted as the configurations used by Cisco Unified Communications Manager. The same MCS model used for other applications (where the MCS model has a different suffix) may use different components and specifications. Contact your local Cisco account team for more details.

Cisco Approved Hardware Configuration Requirements

HP DL380-G5 Server with Single Xeon 5140 2.33-GHz Processor and 146-GB Hard Drives

The DL380-G5 is a robust server solution designed for Cisco Unified Communications software applications. When clustered properly, 10,000 Cisco Unified Communications Manager users can be supported. The required processor is an Intel Xeon 5140 2.33-GHz processor. No specific memory configuration is required as long as 2 GB of memory is provided (note that some product versions may require more memory). It is the configuration equivalent of the base model Cisco MCS 7835-H2 V02, with product-specific variants of MCS 7835-H2-IPC2, MCS 7835-H2-CCX2, MCS 7835-H2-CCE2 and others.

HP General Ordering Instructions

Although HP has discontinued the sale of this configuration through its normal channels, the company has created a special part number for Cisco customers and partners to order directly from HP United States or an HP partner to obtain a supported system. The special part number that you should order for this configuration is PN 470064-880.This special HP part number is posted on the HP Corporate Product List and is orderable directly from HP or through HP partners, but does not appear in many of the traditional HP sources of information such as Quickspecs, the Product Bulletin, etc. Please advise your HP account manager, HP inside sales representative, or HP partner accordingly and that person should be able to locate and quote this part number.

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HP International Ordering Additional Instructions

This configuration is manufactured only in the United States but can be shipped globally. To order, you should follow your standard local ordering process and contact your regional HP Sales Operations team for assistance in routing the order.

HP's individual country order management contacts are listed in Table 1.

Table 1. HP Management Contacts

Country	HP Order Management Contact
Asia Pacific and Japan (APJ)	Michelle Ng michelle-sh.ng@hp.com
Austria	John Raps (acting) john.raps@hp.com
Belgium	Christophe Rigaux christophe.rigaux@hp.com
Denmark	Elisabeth Hassing elisabeth.hassing@hp.com
Finland	Minna Hyvonen minna.hyvonen@hp.com
France	Florence Epaud florence.epaud@hp.com
Germany	Gero Adrian gero.adrian@hp.com
Iberia	Francisco Borja Marin borja.marin@hp.com
Italy	Danilo Triulzi danilio.triulzi@hp.com
Latin America (LAR)	Helder Eloy helder.eloy@hp.com
Netherlands	Barbara Croon barbara.croon@hp.com
Norway	Edith Skarpsno edith.skarpsno@hp.com
Sweden	Goran Safstrom goran.safstrom@hp.com
Switzerland	John Raps john.raps@hp.com
United Kingdom	Denise Saunders denise.saunders@hp.com
United States	Tom Ehrich thomas.ehrich@hp.com

HP's global "Fusion" enterprise-resource-planning (ERP) system is linked and regions can place orders for fulfillment from HP plant 5200 (Houston, Tx). Shipments are routed to regional distribution hubs prior to delivery to the respective customer in the destination (ordering) country.

Table 2 lists the components that will ship when you order this configuration.

Table 2. Components of Part Number 470064-880

Quantity	Description
1	HP ProLiant DL380G5 Rack Chassis
1	Dual-core Intel Xeon Processor 5140 (2.33 GHz, 1333 FSB)
1	2GB FBD PC2-5300 2 x 1 GB Kit
1	P400/256 for DL380 G5/ DL385 G2 FIO
1	Battery-backed write cache upgrade
2	HP 146 GB SAS 10,000 rpm Hard Drive (2.5")
1	Slimline DVD-ROM Drive (8X/24X) Option Kit (servers)
1	Redundant Power Supply 350/370/380 G5 US Kit

HP DL380-G5 Server with Dual Xeon 5140 2.33-GHz Processors and 146-GB Hard Drives

The DL380-G5 is a robust server solution designed for Cisco Unified Communications software applications. Up to 7500 Cisco Unified IP Phones can be supported on a single server. The required processors are dual Intel Xeon 5140 2.33-GHz processors. No specific memory configuration is required as long as 4 GB of memory is provided (note that some product versions

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may require more memory). It is the configuration equivalent of the Cisco MCS 7845-H2 V02 or MCS 7845-H2-IPC2/CCX2/CCE2.

HP General Ordering Instructions

Although HP has discontinued the sale of this configuration through its normal channels, the company has created a special part number for Cisco customers and partners to order directly from HP United States or an HP partner to obtain a supported system. The special part number that you should order for this configuration is PN 470064-887. This special HP part number is posted on the HP Corporate Product List and is orderable directly from HP or through HP partners, but does not appear in many of the traditional HP sources of information, such as Quickspecs, the Product Bulletin, etc. Please advise your HP account manager, HP inside sales representative, or HP partner accordingly and that person should be able to locate and quote this part number.

HP International Ordering Additional Instructions

This configuration is manufactured only in the United States but can be shipped globally. To order, you should follow your standard local ordering process and contact your regional HP Sales Operations team for assistance in routing the order. Refer to HP's list of order management contacts in Table 1.

HP's global Fusion ERP system is linked and regions can place orders for fulfillment from HP plant 5200 (Houston, Tx). Shipments are routed to regional distribution hubs prior to delivery to the respective customer in the destination (ordering) country.

Table 3 lists the components that will ship when you order this system.

Table 3. Components of Part Number 470064-887

Quantity	Description
1	HP ProLiant DL380G5 Rack Chassis
1	Dual-core Intel Xeon Processor 5140 (2.33 GHz, 1333 FSB)
1	Dual-core Intel Xeon 5140 Processor (2.33 GHz, 1333 FSB)
2	2 GB FBD PC2-5300 2 x 1 GB Kit
1	P400/256 for DL380 G5/ DL385 G2 FIO
1	Battery-backed write cache upgrade
4	HP 146 GB SAS 10,000 rpm Hard Drive (2.5")
1	Slimline DVD-ROM Drive (8X/24X) Option Kit (Servers)
1	Redundant Power Supply 350/370/380 G5 US Kit

HP DL380-G5 Server with Dual Xeon Quadcore E5345 2.33-GHz Processors and 146-GB Hard Drives

The DL380-G5 is a robust server solution designed only for Cisco Unified Contact Center and messaging products. The required processors are dual Intel Xeon **quadcore** E5345 2.33-GHz processors. No specific memory configuration is required as long as 4 GB of memory is provided (note that some product versions may require more memory). It is the configuration equivalent of the Cisco MCS 7845-H2-ECS3/CCE3 or MCS 7845-H2-ECS4/CCE4.

HP General Ordering Notes

HP has created a special part number for Cisco customers and partners to order directly from HP United States or an HP partner to obtain a supported system. The special part number that you

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must order for this configuration is PN AR111A (for –CCE3/ECS3 equivalent) or AR109A (for –CCE4/ECS4 equivalent). This special HP part number is posted on the HP Corporate Product List and is orderable directly from HP or through HP partners, but does not appear in many of the traditional HP sources of information, such as Quickspecs, the Product Bulletin, etc. Please advise your HP account manager, HP inside sales representative, or HP partner accordingly and that person should be able to locate and quote this part number.

HP International Ordering Notes

This configuration is manufactured only in the United States but can be shipped globally. To order, you should follow your standard local ordering process and contact your regional HP Sales Operations team for assistance in routing the order. Refer to HP's list of order management contacts in Table 1.

HP's global Fusion ERP system is linked and regions can place orders for fulfillment from HP plant 5200 (Houston, Tx). Shipments are routed to regional distribution hubs prior to delivery to the respective customer in the destination (ordering) country.

Tables 4 and 5 list the components that will ship when you order this system.

Table 4. Components of Part Number AR111A (equivalent of Cisco MCS 7845-H2-ECS3/CCE3)

Quantity	HP Part Number	Description
1	391835-B21	HP ProLiant DL380G5 Rack Chassis
1	437940-L21	Quad-Core Intel(r) Xeon(r) Processor E5345 (2.33 GHz, 80 Watts, 1333 FSB) DL380 G5 FIO Kit 1
1	437940-B21	Quad-Core Intel(r) Xeon(r) Processor E5345 (2.33 GHz, 80 Watts, 1333 FSB) DL380 G5 Opt Kit 1
2	397411-B21	2 GB FBD PC2-5300 2 x 1 GB Kit
1	405160-B21	P400/256 for DL380 G5/ DL385 G2 FIO
1	383280-B21	Battery-backed write cache upgrade
4	418367-B21	HP 146 GB SAS 10,000 rpm Hard Drive (2.5")
1	264007-B21	Slimline DVD-ROM Drive (8X/24X) Option Kit (Servers)
1	399771-001	Redundant Power Supply 350/370/380 G5 US Kit

Table 5. Components of Part Number AR109A (equivalent of Cisco MCS 7845-H2-ECS4/CCE4)

Quantity	HP Part Number	Description
1	391835-B21	HP ProLiant DL380G5 Rack Chassis
1	437940-L21	Quad-Core Intel(r) Xeon(r) Processor E5345 (2.33 GHz, 80 Watts, 1333 FSB) DL380 G5 FIO Kit 1
1	437940-B21	Quad-Core Intel(r) Xeon(r) Processor E5345 (2.33 GHz, 80 Watts, 1333 FSB) DL380 G5 Opt Kit 1
2	397411-B21	2 GB FBD PC2-5300 2 x 1 GB Kit
1	405160-B21	P400/256 for DL380 G5/ DL385 G2 FIO
1	383280-B21	Battery-backed write cache upgrade
8	418367-B21	HP 146 GB SAS 10,000 rpm Hard Drive (2.5")
1	264007-B21	Slimline DVD-ROM Drive (8X/24X) Option Kit (Servers)
1	399771-001	Redundant Power Supply 350/370/380 G5 US Kit

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HP DL320-G5p Server with Intel E8400 3-GHz Processor

The DL320-G5p is a high-performance server platform for today's unified communications applications. It supports up to 1000 Cisco Unified IP Phones on a single server and up to 4000 Cisco Unified IP Phones when clustered properly. The required processor is an Intel E8400 3-GHz processor. No specific memory configuration is required as long as 2 GB of memory is provided. It is the configuration equivalent of the Cisco MCS 7825-H4-IPC1/CCX1/CCE1.

Table 6 lists the hardware configuration requirements.

Table 6. Hardware Configuration Requirements

Quantity	HP Part Number	Description
1	445436-B21	HP DL320R05p Mod0 Svr
1	450436-B21	DL1U 2 DRV CAGE FIO KIT
1	509468-B21	HPZE8400 DL320G5p Proc Option Kit
2	450259-B21	HP 1GB UB PC2-6400 1x1GB Kit
2	458926-B21	HP 250GB 3G SATA 7.2K 3.5" MDL HDD
1	411508-B21	HP Smart Array E200 Controller
1	449991-B21	HP DL320G5p 12.7mm DVD Kit
1	450343-B21	DL320G5p iLO2 PORT OPT KIT

Contact HP for specific power-supply and power cord options.

Older Servers

Older Compaq or HP servers are still supported by the Cisco Unified Communications Manager installation process.Following are the previously supported HP server configurations. This information is provided for reference; most of these models have been discontinued by HP and can no longer be purchased from HP or its resellers. Please see your local Cisco account team for information about replacement models and ordering assistance.

HP DL380-G5 Server with Single Xeon 5140 2.33-GHz Processor

This server configuration is identical to the HP DL380-G5 server with a single Xeon 5140 2.33-GHz processor and 146-GB hard drives, except that this configuration uses 72-GB hard drives and supports different versions of IP Telephony OS and Cisco Unified Communications Manager. Note that Cisco Unified Communications Manager 5.0 is not supported on this model. It is the configuration equivalent of the Cisco MCS 7835-H2.

Although HP has discontinued the sale of its DL380-G5 with Intel 5140 through its normal channels, the company has created a special part number to be ordered directly from HP United States to obtain a supported system. The special part number that you should order for a single processor system is PN 470064-770.

Table 7 lists the components that will ship when you order this system.

Table 7. Components of Part Number 470064-770

Quantity	Description
1	HP ProLiant DL380G5 Rack Chassis
1	Dual-core Intel Xeon Processor 5140 (2.33 GHz, 1333 FSB)
1	2GB FBD PC2-5300 2 x 1 GB Kit
1	P400/256 for DL380 G5/ DL385 G2 FIO

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1	Battery-backed write cache upgrade
2	HP 72 GB SAS 10,000 rpm Hard Drive (2.5")
1	Slimline DVD-ROM Drive (8X/24X) Option Kit (servers)
1	Redundant Power Supply 350/370/380 G5 US Kit

HP DL380-G5 Server with Dual Xeon 5140 2.33-GHz Processors

This server configuration is identical to the HP DL380-G5 server with dual Xeon 5140 2.33-GHz processors and 146-GB hard drives, except that this configuration uses 72-GB hard drives and supports different versions of IPT OS and Cisco Unified Communications Manager. Note that Cisco Unified Communications Manager 5.0 is not supported on this model. It is the configuration equivalent of the Cisco MCS 7845-H2.

Although HP has discontinued the sale of its DL380-G5 with Intel 5140 through its normal channels, the company has created a special part number to be ordered directly from HP US to obtain a supported system. The special part number that you should order for a dual-processor system is PN 470064-771.

Table 8 lists the components that will ship when you order this system.

Table 8. Components of Part Number 470064-771

Quantity	Description
1	HP ProLiant DL380G5 Rack Chassis
1	Dual-core Intel Xeon Processor 5140 (2.33 GHz, 1333 FSB)
1	Dual-core Intel Xeon 5140 Processor (2.33 GHz, 1333 FSB)
2	2 GB FBD PC2-5300 2 x 1 GB Kit
1	P400/256 for DL380 G5/ DL385 G2 FIO
1	Battery-backed write cache upgrade
4	HP 72 GB SAS 10,000 rpm Hard Drive (2.5")
1	Slimline DVD-ROM Drive (8X/24X) Option Kit (Servers)
1	Redundant Power Supply 350/370/380 G5 US Kit

Compaq DL320 Server with Pentium III 800-MHz Processor

The DL320 is a high-performance server platform designed for today's unified communications applications. When clustered properly, 2000 users can be supported. The required processor is an Intel Pentium III 800-MHz processor. No specific memory configuration is required as long as 512 MB of memory is provided. Table 9 lists the Compaq DL320 server configurations.

Table 9. Compaq DL320 Server Configurations

Quantity	Compaq Part Number	Description
1	201501-001	ProLiant DL320-128 Model-1 ATA
1	212697-B21	20-GB ATA/100 7200 RPM Drive 1 in.
1	128278-B21	256 MB Registered 133-MHz SDRAM DIMM
1	128277-B21	128 MB Registered 133-MHz SDRAM DIMM
1	212691-B21	CD ROM/Diskette Assembly
1	174574-B21	Third-Party Cabinet Rack Kit (Optional)

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Compaq DL320 Server with Pentium III 1133-MHz Processor

The DL320 is a high-performance server platform designed for today's unified communications applications. When clustered properly, 4000 Cisco Unified CallManager or Cisco Unified Communications Manager users can be supported. The required processor is an Intel Pentium III 1.133-GHz processor. No specific memory configuration is required as long as 1 GB of memory is provided. Table 10 lists the Compaq DL320 server configurations.

Table 10. Compaq DL320 Server Configurations

(Order all the HP parts in this table to obtain a supported configuration.)

Quantity	Compaq Part Number	Description
1	251280-0021* DL320R01	P1133 512 A40G US
2	128279-B21	512 Reg. SDRAM DIMM 133 ALL
1	174574-B21	3rd Party Rack-Mount Kit (Optional)

*251280-002 is a North American regional part number. For orders destined for other global regions, replace the final three digits (002) with the codes as follows: 012 = Australia, 292 = Japan, 422 = Europe, and AA2 = PRC.

No regional part numbers (besides North America) ship with a power cord. Contact HP for specific power cord options.

Compaq DL320-G2 Server with Pentium 4 2.26-GHz Processor

The DL320-G2 is a high-performance server platform designed for today's unified communications applications. When clustered properly, 4000 Cisco Unified CallManager or Cisco Unified Communications Manager users can be supported. The required processor is an Intel Pentium 4 2.266-GHz processor. No specific memory configuration is required as long as 1 GB of memory is provided. Table 11 lists Compaq DL320-G2 server configurations.

Table 11. Compaq DL320-G2 Server Configurations

(Order all the HP parts in this table to obtain a supported configuration.)

Quantity	HP Part Number	Description
1	336549-001*	DL320R02 P3.06/533 512 A1 US
2	287496-B21	512MB x 1 REG PC2100 DDR
1	230534-B21	40G 7.2K NHP ATA ALL
1	343791-B21	DL320/DL360 DVD/CDRW FLPY ALL
1	174574-B21	3rd PTYRK DL360G1/320 ALL (optional)

*289349-001 is a North American regional part number. For orders destined for other global regions, replace the final three digits (001) with the codes as follows: 011 = Australia, 291 = Japan, 421 = Europe, and 371 = ADP.

No regional part numbers (besides North America) ship with a power cord. Contact HP for specific power cord options.

HP DL320-G2 Server with Pentium 4 3060-MHz Processor

The DL320-G2 is a high-performance server platform designed for today's unified communications applications. When clustered properly, 4000 Cisco Unified CallManager or Cisco Unified Communications Manager users can be supported. The required processor is an Intel Pentium 4 3.06-GHz processor. No specific memory configuration is required as long as 1 GB of memory is provided. Table 12 lists HP DL320-G2 server configurations.

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Table 12. HP DL320-G2 Server Configurations

(Order all the HP parts in this table to obtain a supported configuration.)

Quantity	HP Part Number	Description
1	336549-001*	DL320R02 P3.06/533 512 A1 US
2	287496-B21	512MB x 1 REG PC2100 DDR
1	230534-B21	40G 7.2K NHP ATA ALL
1	343791-B21	DL320/DL360 DVD/CDRW FLPY ALL
1	174574-B21	3rd PTYRK DL360G1/320 ALL (optional)

*336549-001 is a North American regional part number. For orders destined for other global regions, replace the final three digits (001) with the codes as follows: 011 = Australia, 291 = Japan, 421 = Europe, and 371 = ADP.

No regional part numbers (besides North America) ship with a power cord. Contact HP for specific powercord options.

HP DL320-G3 Server with Pentium 4 3.4-GHz Processor

The DL320-G3, which requires Cisco OS 2000.4.1, is a high-performance server platform for today's unified communications applications. It supports up to 1000 Cisco Unified IP Phones on a single server and up to 4000 Cisco Unified IP Phones when clustered properly. The required processor is an Intel Pentium 4 3.4-GHz processor. No specific memory configuration is required as long as 2 GB of memory is provided. Table 13 lists hardware configuration requirements for the HP DL320-G3.

Table 13. Hardware Configuration Requirements for HP DL320-G3

(Order all the HP parts in this table to obtain a supported configuration.)

Quantity	HP Part Number	Description
1	370669-001*	DL320R03 P3.4-1MB, 1GB, 80GB SATA
1	354563-B21	1GB UNREG PC3200 1X1GB Memory
1	349237-B21	80-GB SATA 1.5-Gb 7,200-RPM Hard Drive (1")
1	374303-B21	DL320G3 DVD-ROM Drive
1	372702-B21	DL320G3 FLOPPY DRIVE (Required for installation of SW SATA RAID)

*370699-001 is a North American regional part number. For orders destined for other global regions, replace the final three digits (001) with the codes as follows: 011 = Australia, 291 = Japan, 421 = Europe, 371 = ADP, and AA1-PRC.

No regional part numbers (besides North America) ship with a power cord. Contact HP for specific power cord options.

HP DL320-G4 Server with Pentium D 2.8-GHz Processor

The DL320-G4, which requires Cisco Windows OS 2000.4.3 or Cisco Unified Communications Manager 5.0.3, is a high-performance server platform for today's unified communications applications. It supports up to 1000 Cisco Unified IP Phones on a single server and up to 4000 Cisco Unified IP Phones when clustered properly. The required processor is an Intel Pentium D 2.8-GHz processor. No specific memory configuration is required as long as 2 GB of memory is provided. This server is the configuration equivalent of the Cisco MCS 7825-H2-IPC1.Table 14 lists the hardware configuration requirements for the HP DL320-G4.

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Table 14. Hardware Configuration Requirements for HP DL320-G4

(Order all the HP parts in this table to obtain a supported configuration.)

Quantity	HP Part Number	Description
1	410785-001* or 418307-291 (Japan Only)	DL320G4 P920 Model 80
1	390824-B21	1GB DDR II 533 MHz/PC2-4200
1	349237-B21	80-GB SATA 1.5-Gb 7,200-RPM Hard Drive (1")
1	374303-B21	DL320G3 DVD-ROM Drive

*410785-001 is a North American regional part number. For orders destined for other global regions, replace the final three digits (001) with the codes as follows: 011 = Australia, 291 = Japan, 421 = Europe, 371 = ADP, and AA1-PRC.

No regional part numbers (besides North America) ship with a power cord. Contact HP for specific power cord options.

HP DL320-G4 Server with Intel 950 3.4-GHz Processor

The DL320-G4, which requires Cisco Windows OS 2000.4.4 or Cisco Unified Communications Manager 5.1.1, is a high-performance server platform for today's unified communications applications. It supports up to 1000 Cisco Unified IP Phones on a single server and up to 4000 Cisco Unified IP Phones when clustered properly. The required processor is an Intel 950 3.4-GHz processor. No specific memory configuration is required as long as 2 GB of memory is provided. This server does not support Cisco Unified Communications Manager 5.0. It is the configuration equivalent of the Cisco MCS 7825-H2-IPC2. Table 15 lists the hardware configuration requirements for the H DL320-G4.

Table 15. Hardware Configuration Requirements for HP DL320-G4

(Order all the HP parts in this table to obtain a supported configuration.)

Quantity	HP Part Number	Description
1	434769-001*	DL320G4 P950 A1 Server (includes 1 x 1-GB RAM)
1	390824-B21	1GB DDR II 533 MHz/PC2-4200
2	349237-B21	80-GB SATA 1.5-Gb 7,200-RPM Hard Drive (1")
1	374303-B21	DL320G4 DVD-ROM Drive

*434769-001 is a North American regional part number. For orders destined for other global regions, replace the final three digits (001) with the codes as follows: 011 = Australia, 291 = Japan, 421 = Europe, 371 = ADP, and AA1-PRC.

No regional part numbers (besides North America) ship with a power cord. Contact HP for specific power cord options.

HP DL320-G5 Server with Intel 3050 Xeon 2.13-GHz Processor

The DL320-G5, which requires Cisco Windows OS 2000.4.5 or Cisco Windows OS 2003.1.2 or Cisco Unified Communications Manager 6.0.1, is a high-performance server platform for today's unified communications applications. It supports up to 1000 Cisco Unified IP Phones on a single server and up to 4000 Cisco Unified IP Phones when clustered properly. The required processor is an Intel 3050 Xeon 2.13-GHz processor. No specific memory configuration is required as long as 2 GB of memory is provided. This server does not support Cisco Unified Communications Manager 5.0. It is the configuration equivalent of the Cisco MCS 7825-H3. Table 16 lists the hardware configuration requirements for the HP DL320-G5 if ordered directly from HP, and Table 17 lists the requirements if ordered directly from a HP reseller.

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Table 16. Hardware Configuration Requirements for HP DL320-G5 if Ordered Directly from HP

Quantity	HP Part Number	Description
1	415405-B21	HP DL320G5 MOD-FX Svr
1	419400-L21	HP DL320G5 Xeon 3050 FIO Kit
2	432804-B21	HP 1GB UB PC2-5300 1x1GB KIT ALL
2	349238-B21	HP 160GB 1" 7.2K SATA 1yr Wty HDD
1	374303-B21	HP DL320G3/G4 DVD-ROM Drive OPT

Contact HP for specific power-supply and power cord options.

Table 17. Hardware Configuration Requirements for HP DL320-G5 if Ordered Directly from HP Reseller**

(Order all the HP parts in this table to obtain a supported configuration.)

Quantity	HP Part Number	Description
1	418044-001*	DL320 G5 X3050 / 1GB / 80GB SATA
1	432804-B21	HP 1GB UB PC2-5300 1x1GB KIT ALL
2	349238-B21	HP 160GB 1" 7.2K SATA 1yr Wty HDD
1	374303-B21	DL320G4 DVD-ROM Drive

*418044-001 is a North American regional part number. For orders destined for other global regions, replace the final three digits (001) with the codes as follows: 011 = Australia, 291 = Japan, 421 = Europe, 371 = ADP, and AA1-PRC.

**Ordering this configuration from a reseller results in an 80-GB Serial ATA (SATA) drive being purchased but unused.

No regional part numbers (besides North America) ship with a power cord. Contact HP for specific power cord options.

Compaq DL380 Server with Pentium III 1000-MHz Processor

The DL380 is a robust server solution designed for Cisco Unified Communications software applications. When clustered properly, 10,000 users can be supported using the DL380 Pentium III 1000-MHz processor. The required processor is an Intel Pentium III 1-GHz processor. No specific memory configuration is required as long as 1 GB of memory is provided. Table 18 lists the Compaq DL380 server configurations.

Table 18. Compaq DL380 Server Configurations

(Order all the HP parts in this table to obtain a supported configuration.)

Quantity	Compaq Part Number	Description
1	193706-001	ProLiant DL380R01 P1000/133-128
1	142673-B22	18.2GB Pluggable Wide Ultra SCSI3 Universal 10K Drive
1	128279-B21	512MB Registered 133-MHz SDRAM DIMM
1	128278-B21	256MB Registered 133-MHz SDRAM DIMM
1	128277-B21	128MB Registered 133-MHz SDRAM DIMM
1	143397-001	DL380 275-Watt HP RPS Module
1	295513-B22	12/24-Gigabyte DAT Drive (DDS-3)-Opal (Optional)

Compaq DL380 G2 Server with Pentium III 1266-MHz Processor

The DL380-G2 is a robust server solution designed for Cisco Unified Communications software applications. When clustered properly, 10,000 Cisco Unified CallManager or Cisco Unified Communications Manager users can be supported. The required processor is an Intel Pentium III

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1.266-GHz processor. No specific memory configuration is required as long as 1 GB of memory is provided. Table 19 lists the Compaq DL380-G2 server configurations.

Table 19. Compaq DL380-G2 Server Configurations

(Order all the HP parts in this table to obtain a supported configuration.)

Quantity	Compaq Part Number	Description
1	235438-001*	DL380R02 P1266 512 US
2	142673-B22	18.2-GB Pluggable Ultra3 SCSI 10K rpm HDD
1	201694-B21	1024-MB PC133-MHz ECC SDRAM Memory (2 x 512 MB)
1	225011-001**	DL380 G2 Hot Plug Redundant Power Supply US
1	228894-B21	3rd Party Rack MTG Kit-DL380 (Optional)
1	215488-B21	20/40-GB DAT, HOT PLUG (Optional)

*235438-001 is a North American regional part number. For orders destined for other global regions, replace the final three digits (001) with the codes as follows: 011 = Australia, 031 = UK, 041 = Germany, 051 = France, 291 = Japan, 371 = APD, 421 = Europe (contains documentation on a multilingual CD), and AA1 = PRC.

**225011-001 is a North American regional part number. For orders destined for other global regions, replace the final three digits (001) with the codes as follows: 011 = Australia, 021 = International, 031 = UK, 291 = Japan, and 421 = Europe.

No regional part numbers (besides North America) ship with a power cord. Contact HP for specific power cord options.

HP DL380-G2 Server with Pentium III 1400 Processor

The DL380-G2 is a robust server solution designed for Cisco Unified Communications software applications. When clustered properly, 10,000 Cisco Unified Communications Manager users can be supported. The required processor is an Intel Pentium III 1.4-GHz processor. No specific memory configuration is required as long as 1 GB of memory is provided. Table 20 lists the HP DL380-G2 server configurations.

Table 20. HP DL380-G2 Server Configurations

(Order all the HP parts in this table to obtain a supported configuration.)

Quantity	Compaq Part Number	Description
1	253864-001*	ProLiant DL380R02 P1400 512 US
2	142673-B22	18.2-GB Pluggable Ultra3 SCSI 10K rpm HDD
1	201694-B21	1024-MB PC133-MHz ECC SDRAM Memory (2 x 512 MB)
1	225011-001**	DL380 G2 Hot Plug Redundant Power Supply US
1	228894-B21	3rd Party Rack MTG Kit-DL380 (Optional)
1	215488-B21	20/40-GB DAT, HOT PLUG (Optional)

*253864-001 is a North American regional part number. For orders destined for other global regions, replace the final three digits (001) with the codes as follows: 011 = Australia, 031 = UK, 041 = Germany, 051 = France, 291 = Japan, 371 = APD, 421 = Europe (contains documentation on a multilingual CD), and AA1 = PRC.

**225011-001 is a North American regional part number. For orders destined for other global regions, replace the final three digits (001) with the codes as follows: 011 = Australia, 021 = International, 031 = UK, 291 = Japan, and 421 = Europe.

No regional part numbers (besides North America) ship with a power cord. Contact HP for specific power cord options.

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HP DL380-G3 Server with Xeon 2400 Processor

The DL380-G3 is a robust server solution designed for Cisco Unified Communications software applications. When clustered properly, 10,000 Cisco Unified Communications Manager users can be supported. The required processor is an Intel Xeon 2.4-GHz processor. No specific memory configuration is required as long as 1 GB of memory is provided. Table 21 lists the HP DL380-G3 server configurations.

Table 21. HP DL380-G3 Server Configurations

(Order all the HP parts in this table to obtain a supported configuration.)

Quantity	Compaq Part Number	Description
1	257917-001*	DL380 R03 P2400 US
2	286713-B22 or 286776-B22	36GB 10K U320 UNI HDD ALL 36GB 15K U320 UNI HDD ALL
1	264007-B21	DVDROM DRV SLIM 8/24X ALL
1	300678-B21	512-MB REG PC2100 2X256 ALL
1	293052-B21	3rd Party Rack DL380G3 ALL
1	313054-001	HP RPS DL380 G3 US (US Power Supply)
1	313045-B21	HP RPS DL380 G3 WW (Non-US Power Supply)
1	215488-B21	20/40-GB HP DAT Drive (optional)

*257917-001 is a North American regional part number. For orders destined for other global regions, replace the final three digits (001) with the codes as follows: 011 = Australia, 031 = UK, 291 = Japan, 421 = Europe, and 371 = ADP.

No regional part numbers (besides North America) ship with a power cord. Contact HP for specific power cord options

HP DL380-G3 Server with Xeon 3060 Processor

The DL380-G3 is a robust server solution designed for Cisco Unified Communications software applications. When clustered properly, 10,000 Cisco Unified Communications Manager users can be supported. The required processor is an Intel Xeon 3.06-GHz processor. No specific memory configuration is required as long as 1 GB of memory is provided. Table 22 lists the HP DL380-G3 server configurations.

Table 22. HP DL380-G3 Server Configurations

(Order all the HP parts in this table to obtain a supported configuration.)

Quantity	HP Part Number	Description
1	310587-001*	DL380R03 X3.06-512KB/533-1GB
2	286713-B22 or 286776-B22	36-GB 10K U320 UNI HDD ALL 36-GB 15K U320 UNI HDD ALL
1	331903-B21	COMBO DRV 24X SLIM CARBON ALL
1	293052-B21	3rd Party Rack DL380G3 ALL
1	313054-001	HP RPS DL380 G3 US (US Power Supply)
1	313045-B21	HP RPS DL380 G3 WW (Non-US Power Supply)
1	215488-B21	20/40-GB HP DAT Drive (optional)

*310587-001 is a North American regional part number. For orders destined for other global regions, replace the final three digits (001) with the codes as follows: 011 = Australia, 031 = UK, 291 = Japan, 421 = Europe, and 371 = ADP.

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No regional part numbers (besides North America) ship with a power cord. Contact HP for specific power cord options.

HP DL380-G4 Server with Xeon 3.4-GHz Processor

The DL380-G4, which requires Cisco OS 2000.2.7, is a robust server solution designed for Cisco Unified Communications software applications. When clustered properly, 10,000 Cisco Unified Communications Manager users can be supported. The required processor is an Intel Xeon 3.4-GHz processor. No specific memory configuration is required as long as 2 GB of memory is provided. Table 23 lists the hardware configuration requirements for the HP DL380-G4.

Table 23. Hardware Configuration Requirements for HP DL380-G4

(Order all the HP parts in this table to obtain a supported configuration)

Quantity	HP Part Number	Description
1	311143-001*	DL380R04 X3.4/800-1M US
1	343056-B21	2-GB (2x1GB) PC3200 DDR2
2	286778-B22	72-GB U320 15KRPM HDDs
1	264007-B21	Slimline DVD-ROM Option Kit
1	364507-B21	DL380G4 FLPY DRV w/BRKTS ALL
1	355892-B21	HP RPS DL380 G4 ALL
1	346914-B21	BBWC Enabler for SA6i+
1	293048-B21	DL 380 G3 Redundant Fan Option Kit.
1	215488-B21	20/40-GB HP DAT Drive (optional)

*311143-001 is a North American regional part number. For orders destined for other global regions, replace the final three digits (001) with the codes as follows: 011 = Australia, 031 = UK, 291 = Japan, 421 = Europe, and 371 = ADP.

No regional part numbers (besides North America) ship with a power cord. Contact HP for specific power cord options.

HP DL380-G4 Server with Xeon 3.4-GHz Processor

The DL380-G4, which requires Cisco Windows OS 2000.4.3 or Cisco Unified Communications Manager 5.0.3, is a robust server solution designed for Cisco Unified Communications software applications. When clustered properly, 10,000 Cisco Unified Communications Manager users can be supported. The required processor is an Intel Xeon 3.4-GHz processor. No specific memory configuration is required as long as 2 GB of memory is achieved. This server is the configuration equivalent of the Cisco MCS 7835-H1. Table 24 lists the hardware configuration requirements for the HP DL380-G4.

Table 24. Hardware Configuration Requirements for HP DL380-G4

(Order all the HP parts in this table to obtain a supported configuration.)

Quantity	HP Part Number	Description
1	378737-001*	DL380R04 X3.4/800 2M US
1	343056-B21	2-GB (2 x 1-GB) PC3200 DDR2
2	286778-B22	72-GB U320 15K RPM HDDs
1	264007-B21	Slimline DVD-ROM Option Kit
1	364507-B21	DL380G4 FLPY DRV w/BRKTS ALL
1	355892-B21 or 355892-001 (Japan only)	HP RPS DL380 G4 ALL

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1	346914-B21	BBWC Enabler for SA6i+
1	293048-B21	DL 380 G3 Redundant Fan Option Kit
1	378737-001*	DL380R04 X3.4/800 2M US

*378737-001 is a North American regional part number. For orders destined for other global regions, replace the final three digits (001) with the codes as follows: 011 = Australia, 031 = UK, 291 = Japan, 421 = Europe, and 371 = ADP.

No regional part numbers (besides North America) ship with a power cord. Contact HP for specific power cord options.

HP DL380-G5 Server with Xeon 5140 2.33-GHz Processor

The DL380-G5, which requires Cisco Windows OS 2000.4.4 or Cisco Unified Communications Manager 5.1.1(b), is a robust server solution designed for Cisco Unified Communications software applications. When clustered properly, 10,000 Cisco Unified Communications Manager users can be supported. The required processor is an Intel Xeon 5140 2.33-GHz processor. No specific memory configuration is required as long as 2 GB of memory is provided. This server does not support Cisco Unified Communications Manager 5.0. It is the configuration equivalent of the Cisco MCS 7835-H2.

Although HP has discontinued the sale of its DL380-G5 with Intel 5140 through its normal channels, the company has created a special part number to be ordered directly from HP United States to obtain a supported system. The special part number that you should order for a single processor system is PN 740064-770.

Table 25 lists the components that will ship when you order this system.

Table 25. Components of Part Number 740064-770

Quantity	Description
1	HP ProLiant DL380G5 Rack Chassis
1	Dual-core Intel Xeon Processor 5140 (2.33 GHz, 1333 FSB)
1	2GB FBD PC2-5300 2 x 1 GB Kit
1	P400/256 for DL380 G5/ DL385 G2 FIO
1	Battery-backed write cache upgrade
2	HP 72 GB SAS 10,000 rpm Hard Drive (2.5")
1	Slimline DVD-ROM Drive (8X/24X) Option Kit (servers)
1	Redundant Power Supply 350/370/380 G5 US Kit

HP DL380-G2 Server with Dual Pentium III 1400-MHz Processor

The DL380-G2 is a robust server solution designed for Cisco Unified Communications software applications. Up to 7500 IP phones can be supported on a single server running Cisco CallManager 3.3 or later. The required processors are dual Intel Pentium III 1.4-GHz processors. No specific memory configuration is required as long as 2 GB of memory is provided. Table 26 lists the HP DL380-G2 server configurations.

Table 26. HP DL380-G2 Server Configurations

(Order all the HP parts in this table to obtain a supported configuration.)

Quantity	Compaq Part Number	Description
1	253864-001*	ProLiant DL380R02 P1.40GHz-512KB
1	201099-B21	1.40-GHz PIII Processor Option Kit (DL380 G2)

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4	232432-B22	72-GB 1-in. U3 Hot Plug 10K RPM Universal SCSI Hard Drive
1	201695-B21	2-GB 133-MHz SDRAM DIMM Memory (2x1GB)
1	225011-001**	DL380 G2 Hot Plug Redundant Power Supply US
1	228894-B21	3rd Party Rack MTG Kit-DL380 (Optional)
1	215488-B21	20/40-GB DAT, HOT PLUG (Optional)

*253864-001 is a North American regional part number. For orders destined for other global regions, replace the final three digits (001) with the codes as follows: 011 = Australia, 031 = UK, 041 = Germany, 051 = France, 291 = Japan, 371 = APD, 421 = Europe (contains documentation on a multilingual CD), and AA1 = PRC.

**225011-001 is a North American regional part number. For orders destined for other global regions, replace the final three digits (001) with the codes as follows: 011 = Australia, 021 = International, 031 = UK, 291 = Japan, and 421 = Europe.

No regional part numbers (besides North America) ship with a power cord. Contact HP for specific power cord options.

HP DL380-G3 Server with Dual Xeon 2.4-GHz Processors

The DL380-G3 is a robust server solution designed for Cisco Unified Communications software applications. Up to 7500 IP phones can be supported on a single server running Cisco CallManager 3.3 or later. The required processors are dual Intel Xeon 2.4-GHz processors. No specific memory configuration is required as long as 4 GB of memory is provided. Table 27 lists the HP DL380-G3 server configurations.

Table 27. HP DL380-G3 Server Configurations

(Order all the HP parts in this table to obtain a supported configuration.)

Quantity	HP Part Number	Description
1	257917-001	DL380 R03 P2400 US
1	257913-B21	X2.4/400 370/380 G3 ALL
4	286714-B22	72GB 10K U320 UNI HDD ALL
1	264007-B21	DVDROM DRV SLIM 8/24X ALL
2	300679-B21	1-GB REG PC2100 2X512 ALL
1	300680-B21	2-GB REG PC2100 2x1024 ALL
1	293052-B21	3rd Party Rack DL380G3 ALL
1	293048-B21	FAN HP RED DL380G3 ALL
1	313054-001	HP RPS DL380 G3 US (US Only)
1	313045-B21	HP RPS DL380 G3 WW (Non-US Power Supply)
1	215488-B21	20/40-GB HP DAT Drive (optional)

*257917-001 is a North American regional part number. For orders destined for other global regions, replace the final three digits (001) with the codes as follows: 011 = Australia, 031 = UK, 291 = Japan, 421 = Europe, and 371 = ADP.

No regional part numbers (besides North America) ship with a power cord. Contact HP for specific power cord options.

HP DL380-G3 Server with Dual Xeon 3.06-MHz Processors

The DL380-G3 is a robust server solution designed for Cisco Unified Communications software applications. Up to 7500 IP phones can be supported on a single server running Cisco CallManager 3.3 or later. The required processors are dual Intel Xeon 2.4-GHz processors. No specific memory configuration is required as long as 4 GB of memory is provided. Table 28 lists the HP DL380-G3 server configurations.

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Table 28. HP DL380-G3 Server Configurations

(Order all the HP parts in this table to obtain a supported configuration.)

Quantity	HP Part Number	Description
1	310587-001*	DL380R03 X3.06-512-KB/533-1GB
1	257916-B21	X3.06/533 370/380G3 ALL
4	286714-B22	72-GB 10K U320 UNI HDD ALL
1	331903-B21	COMBO DRV 24X SLIM CARBON ALL
1	300679-B21	1-GB REG PC2100 2X512 ALL
1	300680-B21	2-GB REG PC2100 2x1024 ALL
1	293052-B21	3rd Party Rack DL380G3 ALL
1	293048-B21	FAN HP RED DL380G3 ALL
1	313054-001	HP RPS DL380 G3 US (US Only)
1	313045-B21	HP RPS DL380 G3 WW (Non-US Power Supply)
1	215488-B21	20/40-GB HP DAT Drive (optional)
1	255514-B21	Battery Backed Write Cache Enabler Kit

*310587-001 is a North American regional part number. For orders destined for other global regions, replace the final three digits (001) with the codes as follows: 011 = Australia, 031 = UK, 291 = Japan, 421 = Europe, and 371 = ADP.

No regional part numbers (besides North America) ship with a power cord. Contact HP for specific power cord options.

HP DL380-G4 Server with Dual Xeon 3.4GHz Processors

The DL380-G4, which requires Cisco OS 2000.2.7, is a robust server solution designed for Cisco Unified Communications software applications. Up to 7500 Cisco Unified IP Phones can be supported on a single server running Cisco CallManager 3.3 or later. The required processors are dual Intel Xeon 3.4-GHz processors. No specific memory configuration is required as long as 4 GB of memory is provided. Table 29 lists the hardware configuration requirements for the HP DL380-G4.

Table 29. Hardware Configuration Requirements for HP DL380-G4

(Order all the HP parts in this table to obtain a supported configuration.)

Quantity	HP Part Number	Description
1	311143-001*	DL380R04 X3.4/800-1M US
1	311583-B21	X3.4/800-1M 370/380 G4 ALL
2	343056-B21	2-GB (2x1GB) PC3200 DDR2
1	264007-B21	Slimline DVD-ROM Option Kit
1	364507-B21	DL380G4 FLPY DRV w/BRKTS ALL
4	286778-B22	72-GB U320 15KRPM HDDs
1	355892_B21	HP RPS DL380G4 ALL
1	346914-B21	BBWC Enabler for SA6i+
1	203048-B21	DL380 G3 Redundant Fan Option Kit
1	215488-B21	20/40-GB HP DAT Drive (optional)

*311143-001 is a North American regional part number. For orders destined for other global regions, replace the final three digits (001) with the codes as follows: 011 = Australia, 031 = UK, 291 = Japan, 421 = Europe, and 371 = ADP.

No regional part numbers (besides North America) ship with a power cord. Contact HP for specific power cord options.

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HP DL380-G4 Server with Dual Xeon 3.4-GHz Processors

The DL380-G4, which requires Cisco Windows OS 2000.4.3 or Cisco Unified Communications Manager 5.0.3, is a robust server solution designed for Cisco Unified Communications software applications. Up to 7500 Cisco Unified IP Phones can be supported on a single server running Cisco CallManager 3.3 or later. The required processors are dual Intel Xeon 3.4-GHz processors. No specific memory configuration is required as long as 4 GB of memory is achieved. This server is the configuration equivalent of the Cisco MCS 7845-H1. Table 30 lists the hardware configuration requirements for the HP DL380-G4.

Table 30. Hardware Configuration Requirements for HP DL380-G4

(Order all the HP parts in this table to obtain a supported configuration.)

Quantity	HP Part Number	Description
1	378737-001*	DL380R04 X3.4/800 2M US
1	378750-B21	X3.4/800 2M 370/380 G4 ALL
2	343056-B21	2-GB (2x1GB) PC3200 DDR2
1	264007-B21	Slimline DVD-ROM Option Kit
1	364507-B21	DL380G4 FLPY DRV w/BRKTS ALL
4	286778-B22	72-GB U320 15KRPM HDDs
1	355892-B21 or 355892-001 (Japan only)	HP RPS DL380G4 ALL
1	346914-B21	BBWC Enabler for SA6i+
1	293048-B21	DL380 G3 Redundant Fan Option Kit

*378737-001 is a North American regional part number. For orders destined for other global regions, replace the final three digits (001) with the codes as follows: 011 = Australia, 031 = UK, 291 = Japan, 421 = Europe, and 371 = ADP.

No regional part numbers (besides North America) ship with a power cord. Contact HP for specific power cord options.

HP DL380-G5 Server with Xeon 5140 2.33-GHz Processor

The DL380-G5, which requires Cisco Windows OS 2000.4.4 or Cisco Unified Communications Manager 5.1.1(b), is a robust server solution designed for Cisco Unified Communications software applications. When clustered properly, 10,000 Cisco Unified Communications Manager users can be supported. The required processor is an Intel Xeon 5140 2.33-GHz processor. No specific memory configuration is required as long as 2 GB of memory is provided. This server does not support Cisco Unified Communications Manager 5.0. It is the configuration equivalent of the Cisco MCS 7835-H2. Table 31 lists the hardware configuration requirements for the HP DL380-G5.

Table 31. Hardware Configuration Requirements for HP DL380-G5

(Order all the HP parts in this table to obtain a supported configuration.)

Quantity	HP Part Number	Description
1	417456-001*	HP DL380G5 5140 2G (includes server, proc, 2 x 1-GB RAM, P400/256**, 1 RPS
1	383280-B21	Battery-backed write cache upgrade
2	375861-B21	HP 72 GB SAS 10,000-rpm Hard Drive (2.5")
1	264007-B21	Slimline DVD-ROM Option Kit
1	399771-001	Redundant Power Supply 350/370/380 G5 US Kit (IEC cord only)
1	410570-B21	PCI-X/E Mixed Riser Option (DL380G5)

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*417456-001 is a North American regional part number. For orders destined for other global regions, replace the final three digits (001) with the codes as follows: 011 = Australia, 031 = UK, 291 = Japan, 421 = Europe, and 371 = ADP.

**If you plan to build this server from parts rather than ordering part number 417456-001, you should use part number 405160-B21 (HP Smart Array P400/256 DL38x LP FIO Ctr.) as the controller and place the card in slot 1.

No regional part numbers (besides North America) ship with a power cord. Contact HP for specific power cord options.

HP DL380-G5 Server with Dual Xeon 5140 2.33-GHz Processors

The DL380-G5, which requires Cisco Windows OS 2000.4.4 or Cisco Unified Communications Manager 5.1.1(b), is a robust server solution designed for Cisco Unified Communications software applications. Up to 7500 Cisco Unified IP Phones can be supported on a single server running Cisco CallManager 3.3 or later. The required processors are dual Intel Xeon 5140 2.33-GHz processors. No specific memory configuration is required as long as 4 GB of memory is provided. This server does not support Cisco Unified Communications Manager 5.0. It is the configuration equivalent of the Cisco MCS 7845-H2. Table 32 lists the hardware configuration requirements for the HP DL380-G5.

Table 32. Hardware Configuration Requirements for HP DL380-G5

(Order all the HP parts in this table to obtain a supported configuration.)

Quantity	HP Part Number	Description
1	417456-001*	HP DL380G5 5140 2G (includes server, proc, 2 x 1-GB RAM, P400/256**, 1RPS
1	418322-B21	Dual-core Intel Xeon 5140 Processor (2.33 GHz, 1333 FSB)
1	397411-B21	2 GB FBD PC2-5300 2 x 1-GB Kit (2-GB RAM additional for 4 GB total for config)
1	383280-B21	Battery-backed write cache upgrade
4	375861-B21	HP 72 GB SAS 10,000 rpm Hard Drive (2.5 in.)
1	264007-B21	Slimline DVD-ROM Drive (8X/24X) Option Kit (Servers)
1	399771-B21	Redundant Power Supply 350/370/380 G5 US Kit (IEC cord only)
1	410570-B21	PCI-X/E Mixed Riser Option (DL380G5)

*417456-001 is a North American regional part number. For orders destined for other global regions, replace the final three digits (001) with the codes as follows: 011 = Australia, 031 = UK, 291 = Japan, 421 = Europe, and 371 = ADP.

**If you plan to build this server from parts rather than ordering part number 417456-001, you should use part number 405160-B21 (HP Smart Array P400/256 DL38x LP FIO Ctr.) as the controller and place the card in slot 1.

No regional part numbers (besides North America) ship with a power cord. Contact HP for specific power cord options.

HP DL380-G5 Server with Dual Xeon 5140 2.33-GHz Processors

The DL380-G5, which requires Cisco Windows OS 2000.4.4 or Cisco Unified Communications Manager 5.1.1(b), is a robust server solution designed for Cisco Unified Communications software applications. Up to 7500 Cisco Unified IP Phones can be supported on a single server running Cisco CallManager 3.3 or later. The required processors are dual Intel Xeon 5140 2.33-GHz processors. No specific memory configuration is required as long as 4 GB of memory is achieved. This server does not support Cisco Unified Communications Manager 5.0. It is the configuration equivalent of the Cisco MCS 7845-H2.

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Although HP has discontinued the sale of its DL380-G5 with Intel 5140 through its normal channels, the company has created a special part number to be ordered directly from HP United States to obtain a supported system. The special part number that you should order for a dual-processor system is PN 740064-771.

Table 33 lists the components that will ship when you order this system.

Table 33. Components of Part Number 740064-771

Quantity	Description
1	HP ProLiant DL380G5 Rack Chassis
1	Dual-core Intel Xeon Processor 5140 (2.33 GHz, 1333 FSB)
1	Dual-core Intel Xeon 5140 Processor (2.33 GHz, 1333 FSB)
2	2 GB FBD PC2-5300 2 x 1 GB Kit
1	P400/256 for DL380 G5/ DL385 G2 FIO
1	Battery-backed write cache upgrade
4	HP 72 GB SAS 10,000 rpm Hard Drive (2.5")
1	Slimline DVD-ROM Drive (8X/24X) Option Kit (Servers)
1	Redundant Power Supply 350/370/380 G5 US Kit

Cisco Application Software Ordering Information

Tables 34 through 42, 44, 46, 47, 49, and 50 list ordering information for the various Cisco Unified Communications platforms. Table 43 lists the supported platforms for Cisco Unified Contact Center Express and Cisco Unified IP Interactive Voice Response (IP IVR), and Tables 45 and 48 list the supported servers for the various platforms.

Table 34. Ordering Information for Cisco Unified Communications Manager 7.0

Server Model	Processor	Capacity	Cisco Part Number
DL380-G5	Single processor Xeon 5140 2.33 GHz	2500 IP phones	CM7.0-K9-DL380
DL380-G5	Dual processor Xeon 5140 2.33 GHz	5000 IP phones*	CM7.0-K9-380D

*An additional 2500 server user license is available to increase the capacity of this model up to 7500 server users. To obtain this license, order part number LIC CCM 7.X-2500=.

Table 35. Ordering Information for Cisco Unified Communications Manager 6.1

Server Model	Processor	Capacity	Cisco Part Number
DL380-G5	Single processor Xeon 5140 2.33 GHz	2500 IP phones	CM6.1-K9-380G5
DL380-G5	Dual processor Xeon 5140 2.33 GHz	5000 IP phones *	CM6.1-K9-380G5D

*An additional 2500 server user license is available to increase the capacity of this model up to 7500 server users. To obtain this license, order part number LIC CCM 6.X-2500=.

Table 36. Ordering Information for Cisco Unified Communications Manager 6.0

Server Model	Processor	Capacity	Cisco Part Number
DL380-G5	Single processor Xeon 5140 2.33 GHz	2500 IP phones	CM6.0-K9-380G5
DL380-G5	Dual processor Xeon 5140 2.33 GHz	5000 IP phones *	CM6.0-K9-380G5D

*An additional 2500 server user license is available to increase the capacity of this model up to 7500 server users. To obtain this license, order part number LIC CCM 6.X-2500=.

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Table 37. Ordering Information for Cisco Unified Communications Manager 5.1

Server Model	Processor	Capacity	Cisco Part Number
DL380-G5	Single processor Xeon 5140 2.33 GHz	2500 IP phones	CM5.1-K9-380G5
DL380-G5	Dual processor Xeon 5140 2.33 GHz	5000 IP phones *	CM5.1-K9-380G5D

*An additional 2500 server user license is available to increase the capacity of this model up to 7500 server users. To obtain this license, order part number LIC CCM 5.X-2500=.

Table 38. Ordering Information for Cisco Unified Communications Manager 4.3

Server Model	Processor	Capacity	Cisco Part Number
DL380-G5	Single processor Intel Xeon 5140 2.33 GHz	2500 IP phones	CM4.3-K9-380G5-1
DL380-G5	Dual processor Intel Xeon 5140 2.33 GHz	5000 IP phones *	CM4.3-K9-380G5D-1

*An additional 2500 server user license is available to increase the capacity of this model up to 7500 server users. To obtain this license, order part number LIC CCM 4.X-2500=.

Table 39. Ordering Information for Cisco Emergency Responder 7.0

Server Model	Processor	Capacity	Cisco Part Number
D320-G5p	Not supported by Cisco Emergency Responder 7.0		
DL380-G5	Single Processor Intel Xeon 5140 2.33 GHz	• 20,000 IP phones • 5,000 manual phones • 2,000 roaming IP phones • 1,000 switches • 60,000 switch ports	SW-ER-7.0-7835-K9= KEY-ER7.X-100= KEY-ER7.X-500= KEY-ER7.X-1K= KEY-ER7.X-5K= KEY-ER7.X-10K=
DL380-G5	Dual Processor Intel Xeon 5140 2.33 GHz	• 30,000 IP phones • 10,000 manual phones • 3,000 roaming IP phones • 2,000 switches • 120,000 switch ports	SW-ER-7.0-7845-K9= KEY-ER7.X-100= KEY-ER7.X-500= KEY-ER7.X-1K= KEY-ER7.X-5K= KEY-ER7.X-10K=

Table 40. Ordering Information for Cisco Emergency Responder 2.0

Server Model	Processor	Capacity	Cisco Part Number
DL320-G5p	Single-processor Intel E8400/E3110 3 GHz	• 12,000 IP phones • 2,500 manual phones • 1,200 roaming IP phones • 500 switches • 30,000 switch ports	SW-ER-2.0-SVR-K9= KEY-ER2.X-100= KEY-ER2.X-500= KEY-ER2.X-1K= KEY-ER2.X-5K= KEY-ER2.X-10K=
DL380-G5	Single-processor Xeon 5140 2.33 GHz	• 20,000 IP phones • 5,000 manual phones • 2,000 roaming IP phones • 1,000 switches • 60,000 switch ports	
DL380-G5	Dual-processor Xeon 5140 2.33 GHz	• 30,000 IP phones • 10,000 manual phones • 3,000 roaming IP phones • 2,000 switches • 120,000 switch ports	

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Table 41. Ordering Information for Cisco Unified MeetingPlace Conferencing

Server Model	Processor	Description	Cisco Part Number
DL380-G5	Single-processor Intel Xeon 5140 2.33 GHz	Supports Cisco Unified MeetingPlace solution bundles with <480 voice user licenses and <50 concurrent Web conferencing licenses	Unified MP 6.0 • MP-8106-30IP • MP-8106-60IP-C • MP-8106-120IP • MP-8112-180IP • MP-8112-180IP-E • MP-8112-192 • MP-8112-180PRI Unified MP 7.0 • MP-3515-40 • MP-3545-40 • MP-3545-180 • MP-3515-NFR
DL380-G5	Dual-processor Intel Xeon 5140 2.33 GHz	Supports standard Cisco Unified MeetingPlace solution bundles with >480 voice user licenses or 500 concurrent Web conferencing licenses per server	Unified MP 6.0 • MP-8112-510IP • MP-8112-510PRI • MP-8112-600 Unified MP 7.0 • MP-3545-500

Table 42. Ordering Information for Cisco Unified MeetingPlace Express

Server Model	Processor	Capacity	Cisco Part Number
DL380-G5	Single-processor Intel Xeon 5140 2.33GHz	Cisco MeetingPlace Express 2.0 ME Bundle-25 Voice,,6 Web, 6 Video Concurrent ULs	MPE-ME
DL380-G5	Dual-processor Intel Xeon 5140 2.33GHz	Cisco MeetingPlace Express 2.0 LE Bundle-85 voice,,6 Web, 6 Video Concurrent ULs	MPE-LE

Table 43. Supported Platforms for Cisco Unified Contact Center Express and Cisco Unified IP IVR

Description	Processor
DL380-G5	Single processor Intel 5140 Xeon 2.33 GHz
DL380-G5	Dual processor Intel 5140 Xeon 2.33 GHz

Table 44. Ordering Information for Cisco Unified Contact Center Express

Description	Part Number
Cisco Unified Contact Center Express Release 5.0	CCX-50-STANDARD CCX-50-ENHANCED CCX-50-PREMIUM
Cisco Unified Contact Center Express Release 6.0	CCX-60-STANDARD CCX-60-ENHANCED CCX-60-PREMIUM
Cisco Unified Contact Center Express Release 7.0	CCX-70-NEW
Cisco Unified Contact Center Express Release 5.0	CCX-50-STANDARD CCX-50-ENHANCED CCX-50-PREMIUM

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Table 45. Supported Servers for Cisco Unified Intelligent Contact Management Enterprise and Hosted and Cisco Unified Contact Center Enterprise and Hosted and Cisco Unified Customer Voice Portal

Server Model	Processor	Supported
DL380-G5	Single-processor Xeon 5140 2.33 GHz	Yes
DL380-G5	Dual-processor Xeon 5140 2.33 GHz	Yes
DL380-G5	Dual-processor Xeon 5345 2.33GHz Quad Core	Yes

Table 46. Ordering Information for Cisco Unified Intelligent Contact Management Hosted and Cisco Unified Contact Center Enterprise and Hosted

Description	Cisco Part Number
Cisco Unified Intelligent Contact Management Hosted	HOSTED-BUNDLE
Cisco Unified Contact Center Hosted	HOSTED-BUNDLE
Cisco Unified Intelligent Contact Management Enterprise	ICME-BUNDLE
Cisco Unified Contact Center Enterprise	IPCE-BUNDLE

Table 47. Ordering Information for Cisco Unified Customer Voice Portal

Description	Cisco Part Number
Cisco Unified Customer Voice Portal 3.1	CVP-3.1
Cisco Unified Customer Voice Portal 3.x	CVP-3.X
Cisco Unified Customer Voice Portal 4.x	CVP-4.X
Cisco Unified Customer Voice Portal 7,x	CVP-7.X

Table 48. Supported Servers for Cisco Unified Expert Agent

Server Model	Processor	Supported
DL380-G5	Single-processor Xeon 5140 2.33GHz	Yes
DL380-G5	Dual-processor Xeon 5140 2.33GHz	Yes

Table 49. Ordering Information for Cisco Unified Expert Agent

Description	Cisco Part Number
Cisco Unified Expert Agent	EA-BUNDLE

Table 50. Ordering Information for Cisco Unified IP IVR

Description	Part Number
Cisco Unified IP IVR Release 5.0	IVR-5.0-NEW
Cisco Unified IP IVR Release 6.0	IVR-6.0-NEW
Cisco Unified IP IVR Release 7.0	IVR-7.0-NEW-BUNDLE

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